

ABSTRACT OF THE DISCLOSURE

A device for continuously measuring deformations in a tyre mounted on a rim includes at least one emitter, at least one reflecting element, and at least one optical sensor of luminous intensity. The at least one emitter and the at least one optical sensor are disposed on the rim. The at least one reflecting element is disposed on a portion of an inner surface of the tyre. The at least one emitter emits a light beam toward the at least one reflecting element, the at least one reflecting element reflects the light beam toward the at least one optical sensor, and the at least one optical sensor receives the reflected light beam, measures a prechosen physical parameter associated with the reflected light beam, and provides a signal representing a deformation of the tyre on the portion of the inner surface of the tyre.

at
"FOOT" 80E/E660

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